



PATENT ABSTRACTS OF JAPAN

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(21) Application number: **05024383**(71) Applicant: **RICOH CO LTD**(22) Date of filing: **12.02.93**(72) Inventor: **SHIO YUTAKA****(54) SIGNAL PROCESSOR FOR OPTICAL DISK DEVICE****(57) Abstract:**

PURPOSE: To efficiently conduct computations in a limited time by having a counting means which performs counting in synchronism with a reference synchronizing signal in a digital signal processor and performing branching of each digital signal process based on the counting value of the means.

CONSTITUTION: Whenever a DSP 30 is inputted with a timing signal CNT 3 from a controller 10, a count value N of a counter 32 is up counted to N+1. Next, the DSP 30 judges whether the count value N is an even or an odd number. When the number N is even, processing operations of a carriage servo are conducted and if the value N is odd, error operations are executed. Moreover, the DSP 30 performs process operations of driving control of a magnetic head 28. By performing the branching of the carriage servo process operations and the error process operations by the DSP 30, there exists a room to spare in the operations of the DSP 30. Thus, the process operations of focus servo and track servo

are further fulfilled.

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